



GASCHECK G GAS TABLE

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For indication only. If in doubt, please contact info@ionscience.com

Gas Name	Trade Name	Formula	Response Factor	Minimum sensitivity ppm	Minimum sensitivity cc/sec	Gas Group
Air						
GAS GROUP 1			1	65	1.0E-05	
GAS GROUP 2			2.5	100	1.5E-05	
GAS GROUP 3			4	200	3.1E-05	
GAS GROUP 4			8	305	4.7E-05	
GAS GROUP 5			16	700	1.1E-04	
Helium		He	1.000	65	1.0E-05	1
Hydrogen		H ₂	0.769	50	7.7E-06	1
Ammonia		NH ₃	2.385	155	2.4E-05	2
Butane		C ₄ H ₁₀	2.385	155	2.4E-05	2
Krypton		Kr	2.518	164	2.5E-05	2
Methane		CH ₄	2.903	189	2.9E-05	2
Neon		Ne	2.221	144	2.2E-05	2
Sulfur dioxide		SO ₂	2.647	172	2.6E-05	2
Sulfur hexa fluoride		SF ₆	2.231	145	2.2E-05	2
Trichloromethane		CHCl ₃	2.449	159	2.4E-05	2
1,1,2-Trichlorotrifluoroethane	R113	C ₂ Cl ₃ F ₃	2.600	169	2.6E-05	2
1,2-Dichlorotetrafluoroethane	R114	C ₂ Cl ₂ F ₄	2.750	179	2.7E-05	2
Dichlorodifluoromethane	R12	CCl ₂ F ₂	2.697	175	2.7E-05	2
Bromotrifluoromethane	R1301	CBF ₃	2.443	159	2.4E-05	2
Chlorodifluoromethane	R22	CHF ₂ Cl	2.561	166	2.6E-05	2
refrigerant R 502	R502	CHClF ₂ , CClF ₂ HCF ₃	3.015	196	3.0E-05	2
Xenon		Xe	2.263	147	2.3E-05	2
Acetone		C ₃ H ₆ O	3.188	207	3.2E-05	3
Argon		Ar	3.527	229	3.5E-05	3
refrigerant R 404a	R404a	R125:143a:134a = 44:52:4	3.262	212	3.2E-05	3
refrigerant R 407c	R407c	R134a: R125: R32 = 40:40:20	3.277	213	3.3E-05	3
refrigerant R 410a	R410a	R125:R32 = 50:50	3.262	212	3.2E-05	3
refrigerant R 507	R507	CF ₃ CH ₃ :CF ₃ CHF ₂ = 50:50	3.846	250	3.8E-05	3
refrigerant R 245FA	R245FA	CF ₃ CH ₂ CHF ₂	3.600	234	3.6E-05	3
Boron trifluoride		BF ₃	3.912	254	3.9E-05	3
Carbon dioxide		CO ₂	4.029	262	4.0E-05	3
Deuterium oxide		D ₂ O	4.597	299	4.6E-05	3
Diethyl ether		C ₄ H ₁₀ O	4.005	260	4.0E-05	3
Ethanol		C ₂ H ₅ OH	4.213	274	4.2E-05	3
Hexane		C ₆ H ₁₄	3.667	238	3.7E-05	3
Hydrogen chloride		HCL	3.106	202	3.1E-05	3
Hydrogen sulphide		H ₂ S	3.225	210	3.2E-05	3
Methanol		CH ₃ O	4.330	281	4.3E-05	3
Nitrous oxide		N ₂ O	4.271	278	4.3E-05	3
Pentane		C ₅ H ₁₂	3.981	259	4.0E-05	3
Perfluorocyclobutane	C318	C ₄ F ₈	3.106	202	3.1E-05	3
Tetra fluoromethane	R14	CF ₄	3.804	247	3.8E-05	3
Trichlorofluoromethane	R11	CFCl ₃	3.164	206	3.2E-05	3
Water		H ₂ O	4.634	301	4.6E-05	3
Acetylene		C ₂ H ₂	7.692	500	7.7E-05	4
Ethane		C ₂ H ₆	7.962	518	7.9E-05	4
Ethylene Oxide		C ₂ H ₄ O	7.692	500	7.7E-05	4
Ethylene		C ₂ H ₄	10.120	658	1.0E-04	4
Isobutane	R600a	C ₄ H ₁₀	4.965	323	4.9E-05	4
Propane		C ₃ H ₈	7.022	456	7.0E-05	4
Tetrafluoroethane	R134a	C ₂ H ₂ F ₄	5.846	380	5.8E-05	4
Carbon monoxide		CO	11.538	750	1.2E-04	5
Nitric oxide		NO	25.801	1677	2.6E-04	5
Nitrogen		N ₂	11.538	750	1.2E-04	5
Oxygen		O ₂	28.846	1875	2.9E-04	5